L Number	Hits	Search Text	DB	Time stamp
- Number	93	(light-emitting or light adj	USPAT;	2003/04/19
	95	emitting).ti,ab. and thyristor.ti,ab. and	US-PGPUB;	12:04
		(array or matrix).ti,ab.	EPO; JPO;	
		(DERWENT;	į.
			IBM TDB	i
-	5	(light-emitting or light adj	USPAT;	2002/05/02
		emitting).ti,ab. and thyristor.ti,ab. and	US-PGPUB;	17:18
		(array or matrix).ti,ab. and 257/\$6.ccls.	EPO; JPO;	
		- · · · ·	DERWENT;	
			IBM_TDB	1
-	0	("jp-3194978\$-\$.did.").PN.	USPAT;	2002/05/02
:			US-PGPUB;	17:18
ļ			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	
-	2	jp-03194978\$-\$.did.	USPAT;	2002/05/02
1			US-PGPUB;	17:49
ļ			EPO; JPO;	
ı			DERWENT;	
]	2	ip-09150543\$-\$.did.	IBM_TDB USPAT;	2002/05/02
~	4]p-091303433-3.did.	US-PGPUB;	17:24
ļ			EPO; JPO;	11.43
l			DERWENT;	(
ļ			IBM TDB	
_	2	jp-09216416\$-\$.did.	USPAT;	2002/05/02
		, 3 F	US-PGPUB;	17:26
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	jp-0283792\$-\$.did.	USPAT;	2002/05/02
Ì			US-PGPUB;	17:27
	1		EPO; JPO;	1
			DERWENT;	(
	2	in 000007000 6 did	IBM_TDB	2002/05/02
-	2	jp-09283792\$-\$.did.	USPAT; US-PGPUB;	2002/05/02
1	·		EPO; JPO;	17.27
i			DERWENT;	1
			IBM TDB	
_ [492	(257/431).CCLS.	USPAT;	2002/05/02
			US-PGPUB	17:50
~	488	(257/432).CCLS.	USPAT;	2002/05/02
1			US-PGPUB	17:50
- !	299	(257/433).CCLS.	USPAT;	2002/05/02
		//	US-PGPUB	17:50
-	226	(257/290).CCLS.	USPAT;	2002/05/02
	262	1257 (201) GGT G	US-PGPUB	17:50
-	260	(257/291).CCLS.	USPAT;	2002/05/02
ļ	278	(257/202) CCI S	US-PGPUB	17:50
-	2/8	(257/292).CCLS.	USPAT; US-PGPUB	2002/05/02 17:50
_	53	(257/293).CCLS.	USPAT;	2002/05/02
1	55	(2011230).0000.	US-PGPUB	17:50
_	497	(257/99).CCLS.	USPAT;	2002/05/02
	15,	,	US-PGPUB	17:50
~	140	(257/100).CCLS.	USPAT;	2002/05/02
		• • • •	US-PGPUB	17:50
- 1	180	(257/101).CCLS.	USPAT;	2002/05/02
ı			US-PGPUB	17:50
_	214	(257/102).CCLS.	USPAT;	2002/05/02
			US-PGPUB	17:51
' -	701	(257/103).CCLS.	USPAT;	2002/05/02
			US-PGPUB	17:51

		(1) (2)		0000/05/05
_	2	(((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.)	USPAT; US-PGPUB;	2002/05/02 18:45
		or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;	
		or ((257/293).CCLS.) or ((257/99).CCLS.)	DERWENT;	
		or ((257/100).CCLS.) or ((257/101).CCLS.)	IBM_TDB	
		or ((257/102).CCLS.) or ((257/103).CCLS.)) and (((light-emitting		
		or light adj emitting) near12 thyristor)		
		near12 (matrix or matrices or array))		
- !	1	((((257/431).CCLS.) or ((257/432).CCLS.)	USPAT;	2002/05/02
1		or ((257/433).CCLS.) or ((257/290).CCLS.)	US-PGPUB;	17:55
		or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;	
		or ((257/293).CCLS.) or ((257/99).CCLS.)	DERWENT;	
į.		or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or	IBM_TDB	
[((257/103).CCLS.)) and (((light-emitting		
		or light adj emitting) near12 thyristor)		
l		near12 (matrix or matrices or array)))		
		and (chip or die)		
-	11	(US-4754175-\$ or US-6180960-\$).did. or	USPAT;	2002/05/02
		(JP-03194978-\$ or JP-09150543-\$ or	JPO;	18:11
		JP-09216416-\$ or JP-09283792-\$).did. or	DERWENT	
[(JP-03194978-\$ or JP-09150543-\$ or EP-335553-\$ or US-6180960-\$).did.		
_	0	((US-4754175-\$ or US-6180960-\$).did. or	USPAT;	2002/05/02
		(JP-03194978-\$ or JP-09150543-\$ or	US-PGPUB;	18:12
		JP-09216416-\$ or JP-09283792-\$).did. or	EPO; JPO;	
		(JP-03194978-\$ or JP-09150543-\$ or	DERWENT;	`
		EP-335553-\$ or US-6180960-\$).did.) and bond\$3 adj pad	IBM_TDB	
	2	donds3 adj pad (((257/431).CCLS.) or ((257/432).CCLS.)	USPAT;	2002/05/02
		or ((257/433).CCLS.) or ((257/290).CCLS.)	US-PGPUB;	18:51
)		or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;	
]		or ((257/293).CCLS.) or ((257/99).CCLS.)	DERWENT;	
	'	or ((257/100).CCLS.) or ((257/101).CCLS.)	IBM_TDB	
		or ((257/102).CCLS.) or ((257/103).CCLS.)) and ((light-emitting		
1		or light adj emitting) near12 thyristor)		
		and (thyristor near12 (matrix or matrices		
		or array))		
-	5	((((257/431).CCLS.) or ((257/432).CCLS.)	USPAT;	2002/05/02
		or ((257/433).CCLS.) or ((257/290).CCLS.)	US-PGPUB;	18:57
		or ((257/291).CCLS.) or ((257/292).CCLS.) or ((257/293).CCLS.) or ((257/99).CCLS.)	EPO; JPO; DERWENT;	
		or ((257/100).CCLS.) or ((257/101).CCLS.)	IBM TDB	
		or ((257/102).CCLS.) or		
		((257/103).CCLS.)) and ((light-emitting		
[ļ	or light adj emitting) near12 (array or		
	, 1	matrix or matrices))) and thyristor	Henra -	2002/05/02
-	0	(((((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.)	USPAT; US-PGPUB;	2002/05/02 18:56
[or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;	10.00
		or ((257/293).CCLS.) or ((257/99).CCLS.)	DERWENT;	
		or ((257/100).CCLS.) or ((257/101).CCLS.)	IBM_TDB	
		or ((257/102).CCLS.) or		
		((257/103).CCLS.)) and ((light-emitting		
		or light adj emitting) near12 (array or		
		matrix or matrices))) and thyristor) and bonding adj pad		
-	5	(((((257/431).CCLS.) or ((257/432).CCLS.)	USPAT;	2002/05/02
[or ((257/433).CCLS.) or ((257/290).CCLS.)	US-PGPUB;	18:57
		or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;	
[or ((257/293).CCLS.) or ((257/99).CCLS.)	DERWENT;	•
		or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or	IBM_TDB	
		((257/102).CCLS.) or ((light-emitting		
		or light adj emitting) near12 (array or		•
		matrix or matrices))) and thyristor) and		,
1		thyristor		

	5	((((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 18:57
-	33	((257/103).CCLS.)) and ((light-emitting or light adj emitting) near12 (array or matrix or matrices))) and thyristor (((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 19:37
-	0	((257/103).CCLS.)) and ((light-emitting or light adj emitting) near12 (array or matrix or matrices))) and bonding adj pad (((((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/291).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 19:37
_	218	((257/103).CCLS.)) and ((light-emitting or light adj emitting) near12 (array or matrix or matrices))) and bonding adj pad) and thyristor (((257/431).CCLS.) or ((257/432).CCLS.) or ((257/291).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/101).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 19:56
	26	or ((257/102).CCLS.) or ((257/103).CCLS.)) and ((light-emitting or light adj emitting) nearl2 (array or matrix or matrices)) (((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.)) and (gate-selecting or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 20:03
_	4798	gate adj selecting or gate near10 select\$3) adj2 line (gate-selecting or gate adj selecting or gate near10 select\$3) adj2 line	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/02 20:04
-	0	(gate-selecting or gate adj selecting or gate near10 select\$3) adj2 line and thyristor and bond adj pad	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/02 20:05
-	0	(gate-selecting or gate adj selecting or gate near10 select\$3) adj2 line and bond adj pad and (light-emitting or light adj emitting)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/02 20:07
_	30	(gate-selecting or gate adj selecting or gate near10 select\$3) adj2 line and thyristor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/02
_	41	(gate-selecting or gate adj selecting or gate near10 select\$3) adj2 line and bond adj pad	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02

-	16	(gate-selecting or gate adj selecting or gate near10 select\$3) adj2 line and bond	USPAT; US-PGPUB;	2002/05/02 21:40
		adj pad and 257/\$6.ccls.	EPO; JPO; DERWENT; IBM TDB	
_	0	jp-02807910\$-\$.did.	USPAT; US-PGPUB;	2002/05/02
			EPO; JPO; DERWENT; IBM TDB	
_	0	ohno.in. and seiji.in. and thyristor and bond adj pad	USPAT; US-PGPUB;	2002/05/02 20:57
			EPO; JPO; DERWENT; IBM_TDB	
_	30	ohno.in. and seiji.in.	USPAT; US-PGPUB;	2002/05/02 21:01
			EPO; JPO; DERWENT; IBM TDB	
_	0	ohno.in. and seiji.in.	JPO_	2002/05/02 21:04
_	154	•	JPO	2002/05/02 21:04
_	0	kusuda.in. and yukihisa.in. and bond adj pad and thyristor	JPO	2002/05/02 21:05
_	0	kusuda.in. and yukihisa.in. and bond adj pad	JPO	2002/05/02 21:05
_	56	kusuda.in. and yukihisa.in. and (light-emitting or light adj emitting)	JPO	2002/05/02
_	11	kusuda.in. and yukihisa.in. and (light-emitting or light adj emitting) and (chip or die)	JPO	2002/05/02
_	5	kusuda.in. and yukihisa.in. and (light-emitting) and (chip or die) and bonding adj pad	JPO	2002/05/02 21:17
_	3	("5451977").PN.	USPAT; US-PGPUB;	2002/05/02 21:18
			EPO; JPO; DERWENT; IBM TDB	
_	1	5451977.pn. and bond\$3 adj pad and thyristor	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/02 21:19
-	1	"4943970".PN.	IBM_TDB USPAT	2002/05/02
_	1	"4829357".PN.	USPAT	21:33 2002/05/02 21:33
-	1	"4819048".PN.	USPAT	21:33 2002/05/02 21:33
-	1	"4757210".PN.	USPAT	2002/05/02
_	1	"4757210".pn.	USPAT	2002/05/02
_	1	"4672219".PN.	USPAT	2002/05/02
_	1	"5821569".PN.	USPAT	2002/05/02 21:36
-	1	"5753941".PN.	USPAT	2002/05/02 21:36
-	15	(matrix or array) same (light-emitting or light adj emitting or thyristor) same bond adj pad and 257/\$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/02 - 22:18
			IBM_TDB	1

~	152	(light-emitting or light adj emitting or thyristor) same (bond or bonding) adj pad and 257/\$6.ccls.	USPAT; US-PGPUB; EPO; JPO;	2002/05/02 22:19
			DERWENT; IBM TDB	
_	6	(light-emitting or light adj emitting or thyristor) same (plurality near3 (bond or bonding) adj pad) and 257/\$6.ccls.	USPAT; US-PGPUB; EPO; JPO;	2002/05/02 22:20
	_		DERWENT; IBM_TDB	
_	0	"L21" and ((light-emitting or light adj emitting) near12 thyristor) and (thyristor near12 (matrix or matrices or array))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/03
_	70	((light-emitting or light adj emitting) near12 thyristor) and (thyristor near12 (matrix or matrices or array))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/03 10:23
	6	((light-emitting or light adj emitting)	IBM_TDB USPAT;	2002/05/03
		near12 thyristor) and (thyristor near12 (matrix or matrices or array)) and ((bond or bonding) adj pad)	US-PGPUB; EPO; JPO; DERWENT;	11:58
_	92	array adj pitch and 257/\$6.ccls.	IBM_TDB USPAT;	2002/05/03
			US-PGPUB; EPO; JPO; DERWENT;	13:30
~	17565	257/\$6.ccls. and array pitch same "micro.m"	IBM_TDB USPAT; US~PGPUB; EPO; JPO; DERWENT;	2002/05/03 13:31
_	17565	257/\$6.ccls. and (array pitch same	IBM_TDB USPAT;	2002/05/03
	1,303	"micro.m") and array	US-PGPUB; EPO; JPO; DERWENT;	13:31
-	0	257/\$6.ccls. and (array adj pitch same "micro.m") and chip	IBM_TDB USPAT; US-PGPUB;	2002/05/03
		mrorova y and onep	EPO; JPO; DERWENT;	13.32
-	0	257/\$6.ccls. and (array adj pitch same "micro.m") and (die or chip)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/03 13:32
_	0	257/\$6.ccls. and (array adj pitch same	IBM_TDB	2002/05/03
		"micro.m")	USPAT; US-PGPUB; EPO; JPO;	13:33
			DERWENT; IBM_TDB	
-	2	257/\$6.ccls. and (array adj pitch near6 value)	USPAT; US-PGPUB; EPO; JPO;	2002/05/03 13:35
_	4	257/66 galo and /amounted with the	DERWENT; IBM_TDB	2002 (05 (02
-	4	257/\$6.ccls. and (array adj pitch near6 micron)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	13:37
~	0	257/\$6.ccls. and (array adj pitch near6 tolerance)	IBM_TDB USPAT; US-PGPUB;	2002/05/03 13:37
			EPO; JPO; DERWENT; IBM_TDB	

_				
_	6257	((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or ((257/103).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/03 15:05
_	4	(((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/102).CCLS.) or ((257/103).CCLS.) or ((257/103).CCLS.)) and (array or matrix)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/03 14:25
_	7	and (light-emitting or light adj emitting) and (anode near2 line) (((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.)	USPAT; US-PGPUB;	2002/05/03 14:27
		or ((257/291).CCLS.) or ((257/292).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or ((257/103).CCLS.)) and (array or matrix) and (light-emitting or light adj emitting) and ((cathode or anode) near2	EPO; JPO; DERWENT; IBM_TDB	
_	5	line) (((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/292).CCLS.) or ((257/293).CCLS.) or ((257/99).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or ((257/103).CCLS.)) and (array or matrix) and (light-emitting or light adj emitting) and ((cathode or anode) near2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/03 14:28
_		select\$3) (((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/292).CCLS.) or ((257/293).CCLS.) or ((257/99).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/03 14:31
_	6257	((257/103).CCLS.)) and @pd<02012000 (((257/431).CCLS.)) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/292).CCLS.) or ((257/293).CCLS.) or ((257/99).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/03 14:35
_	2925	((257/103).CCLS.)) and @pd>02012000 ((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/292).CCLS.) or ((257/293).CCLS.) or ((257/99).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or ((257/103).CCLS.)	USPAT	2002/05/03 17:15
-	1156	((((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.) or ((257/291).CCLS.) or ((257/291).CCLS.) or ((257/293).CCLS.) or ((257/293).CCLS.) or ((257/100).CCLS.) or ((257/100).CCLS.) or ((257/102).CCLS.) or ((257/103).CCLS.) or ((257/103).CCLS.)) and @pd>02012000) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/03 20:23
-	3	array ("5451977").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/03 16:34

			·	F-1	
-	0	("three near6 thyristor near6 array").PN.	USPAT; US-PGPUB;	2002/05/03 16:34	
			EPO; JPO;	10.34	Ì
			DERWENT;		Ì
			IBM_TDB		İ
-	13	three near6 thyristor near6 array	USPAT;	2002/05/03	1
			US-PGPUB;	16:36	İ
	l .		EPO; JPO;		l
			DERWENT; IBM TDB		ĺ
_	6	three-terminal near6 thyristor near6	USPAT;	2002/05/03	- 1
		array	US-PGPUB;	16:36	
Ì		,	EPO; JPO;	1	
			DERWENT;		}
1			IBM_TDB		
-	86	(345/44).CCLS.	USPAT;	2002/05/03	
			US-PGPUB;	17:24	
			EPO; JPO; DERWENT;]
	}		IBM TDB		
-	100	(345/45).CCLS.	USPAT;	2002/05/03	ŀ
1			US-PGPUB;	17:25	
1			EPO; JPO;		1
1			DERWENT;		- (
	122	(((((057/401) coto) (/057/400) coto	IBM_TDB	2002/05/02	
~	120	(((((257/431).CCLS.) or ((257/432).CCLS.) or ((257/433).CCLS.) or ((257/290).CCLS.)	USPAT; US-PGPUB;	2002/05/03	1
		or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;	20.27	Í
		or ((257/293).CCLS.) or ((257/99).CCLS.)	DERWENT;	†	ļ
	1	or ((257/100).CCLS.) or ((257/101).CCLS.)	IBM TDB	1	1
	1	or ((257/102).CCLS.) or	_		1
		((257/103).CCLS.)) and @pd>02012000) and		(Į.
	26	array) and shift adj register ((((((257/431).CCLS.) or	HCDAM.	2002/05/03	- [
_	20	((((((257/431).CCLS.) or ((257/433).CCLS.) or	USPAT; US-PGPUB;	2002/05/03	
		((257/290).CCLS.) or ((257/291).CCLS.) or	EPO; JPO;	20.25	Ì
		((257/292).CCLS.) or ((257/293).CCLS.) or	DERWENT;		
	}	((257/99).CCLS.) or ((257/100).CCLS.) or	IBM_TDB		}
	•	((257/101).CCLS.) or ((257/102).CCLS.) or			}
		((257/103).CCLS.)) and @pd>02012000) and			- 1
	Į.	array) and shift adj register) and serial and parallel			- 1
_	14	_	USPAT;	2002/05/03	
	1	((257/432).CCLS.) or ((257/433).CCLS.) or	US-PGPUB;	20:25	
		((257/290).CCLS.) or ((257/291).CCLS.) or	EPO; JPO;		1
		((257/292).CCLS.) or ((257/293).CCLS.) or	DERWENT;		
		((257/99).CCLS.) or ((257/100).CCLS.) or	IBM_TDB		
	1	((257/101).CCLS.) or ((257/102).CCLS.) or ((257/103).CCLS.)) and @pd>02012000) and			
	1	array) and shift adj register) and serial			
1		same parallel			
[-	14	(((((257/431).CCLS.) or ((257/432).CCLS.)	USPAT;	2002/05/03	
		or ((257/433).CCLS.) or ((257/290).CCLS.)	US-PGPUB;	20:28	
		or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;		1
		or ((257/293).CCLS.) or ((257/99).CCLS.)	DERWENT;		1
		or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or	IBM_TDB		1
		((257/103).CCLS.)) and @pd>02012000) and			
		array) and (shift adj register same			- (
		serial same parallel)			
-	7		USPAT;	2002/05/03	
1	1	or ((257/433).CCLS.) or ((257/290).CCLS.)	US-PGPUB;	20:28	1
	1	or ((257/291).CCLS.) or ((257/292).CCLS.)	EPO; JPO;		
1		or ((257/293).CCLS.) or ((257/99).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.)	DERWENT;		1
	1	or ((257/100).CCLS.) or ((257/101).CCLS.)	IBM_TDB		-
		((257/103).CCLS.)) and @pd>02012000) and		•	
1		array) and (shift adj register same			.
		serial same parallel same array)			

			T	T
-	0	jp-03519117280\$-\$.did.	USPAT;	2002/05/03
	İ		US-PGPUB;	21:26
1			EPO; JPO;	1
(DERWENT; IBM TDB	
_	31	kamei.in. and yojiro.in.	USPAT;	2002/05/03
	31	kamer.in. and yojiro.in.	US-PGPUB;	21:26
			EPO; JPO;	21.20
	Ì		DERWENT;	
1			IBM TDB	
_	4	kamei.in. and yojiro.in. and light adj	USPAT;	2002/05/03
	_	emitting.ti.	US-PGPUB;	21:26
		3	EPO; JPO;	
	1		DERWENT;	
	i		IBM TDB	
-	3	("4394653").PN.	USPAT;	2002/05/03
			US-PGPUB;	21:37
			EPO; JPO;	
			DERWENT;	i i
	1		IBM_TDB	
-	3	("5763909").PN.	USPAT;	2002/05/03
			US-PGPUB;	21:37
			EPO; JPO;	
1	į		DERWENT;	
_	326	(345/46).CCLS.	IBM_TDB USPAT;	2002/05/04
_	326	(345/46).CCLS.	US-PGPUB;	10:53
			EPO; JPO;	10.55
			DERWENT;]
			IBM TDB	
_	23	(US-6069644-\$ or US-5719591-\$ or	USPAT;	2002/05/05
		US-6180960-\$ or US-6160354-\$ or	US-PGPUB;	20:28
		US-5990802-\$ or US-5763909-\$ or	JPO;	1
		US-5844265-\$ or US-4754175-\$ or	DERWENT]
		US-4394653-\$ or US-5483085-\$ or		ļ
		US-5451977-\$).did. or		
		(US-20010010510-\$).did. or (JP-59117280-\$		
		or JP-09283792-\$ or JP-09150543-\$ or		
		JP-03194978-\$ or JP-09216416-\$ or		i i
	[JP-01268074-\$).did. or (US-6180960-\$ or		[
		JP-03194978-\$ or EP-335553-\$ or JP-09150543-\$).did.		
_	23	(US-6069644-\$ or US-5719591-\$ or	USPAT;	2002/05/05
	23	US-6180960-\$ or US-6160354-\$ or	US-PGPUB;	20:29
		US-5990802-\$ or US-5763909-\$ or	JPO;	30.25
		US-5844265-\$ or US-4754175-\$ or	DERWENT	
		US-4394653-\$ or US-5483085-\$ or		
		US-5451977-\$).did. or		
		(US-20010010510-\$).did. or (JP-59117280-\$		
1		or JP-09283792-\$ or JP-09150543-\$ or		
		JP-03194978-\$ or JP-09216416-\$ or		
		JP-01268074-\$).did. or (US-6180960-\$ or		
		JP-03194978-\$ or EP-335553-\$ or		
		JP-09150543-\$).did.		2000 (05 (25
_	23	(US-6069644-\$ or US-5719591-\$ or	USPAT;	2002/05/05
		US-6180960-\$ or US-6160354-\$ or US-5990802-\$ or US-5763909-\$ or	US-PGPUB;	20:29
		US-5990802-\$ or US-5763909-\$ or US-5844265-\$ or US-4754175-\$ or	JPO; DERWENT	
	Į į	US-4394653-\$ or US-5483085-\$ or	DEKMENT	
		US-5451977-\$).did. or		
1		(US-20010010510-\$).did. or (JP-59117280-\$		
		or JP-09283792-\$ or JP-09150543-\$ or		
		JP-03194978-\$ or JP-09216416-\$ or		
	[JP-01268074-\$).did. or (US-6180960-\$ or		,
1		JP-03194978-\$ or EP-335553-\$ or		
	1	JP-09150543-\$).did.		
				

_	23	(US-6069644-\$ or US-5719591-\$ or US-6180960-\$ or US-6160354-\$ or	USPAT; US-PGPUB;	2002/05/05 20:29
		US-5990802-\$ or US-5763909-\$ or	JPO;	
		US-5844265-\$ or US-4754175-\$ or US-4394653-\$ or US-5483085-\$ or	DERWENT	
		US-5451977-\$).did. or		1
		(US-20010010510-\$).did. or (JP-59117280-\$		
		or JP-09283792-\$ or JP-09150543-\$ or		
		JP-03194978-\$ or JP-09216416-\$ or JP-01268074-\$).did. or (US-6180960-\$ or		
		JP-03194978-\$ or EP-335553-\$ or		
		JP-09150543-\$).did.		
-	0	("input adj register same output adj register same parallel same series").PN.	USPAT; US-PGPUB;	2002/05/05
		register same paraller same series /	EPO; JPO;	20.30
	1		DERWENT;	
_	115	input adj register same output adj	IBM_TDB USPAT;	2002/05/05
	113	register same parallel same series	USPAT; US-PGPUB;	2002/05/05
			EPO; JPO;	
			DERWENT;	
_	0	 (input adj register same output adj	IBM_TDB USPAT;	2002/05/05
		register same parallel same series) and	US-PGPUB;	20:32
		(light-emitting or light adj emitting)	EPO; JPO;	
•		same thyristor	DERWENT;	
-	3	(input adj register same output adj	USPAT;	2002/05/05
		register same parallel same series) and	US-PGPUB;	20:34
		(light-emitting or light adj emitting)	EPO; JPO; DERWENT;	
			IBM_TDB	
-	5	(input adj register same output adj	USPAT;	2002/05/05
		register same parallel same series) and array same (diode or photodiode)	US-PGPUB; EPO; JPO;	20:34
		deray rumme (decay of philosophical)	DERWENT;	
		027104	IBM_TDB	2002/12/22
_	4	937194.ap.	USPAT; US-PGPUB;	2002/11/11
			EPO; JPO;	
	1		DERWENT;	
_	0	jp-02807910\$~\$.did.	IBM_TDB USPAT;	2002/11/11
			US-PGPUB;	13:48
			EPO; JPO; DERWENT;	
1			IBM TDB	
-	12	ohno.in. and seiji.in. and thyristor.ab.	USPAT;	2002/11/11
			US-PGPUB; EPO; JPO;	13:49
			DERWENT;	
	1-		IBM_TDB	2002/11/11
_	15	ohno.in. and seiji.in. and thyristor	USPAT; US-PGPUB;	2002/11/11
			EPO; JPO;	
			DERWENT;	
-	0	ohno.in. and seiji.in.	IBM_TDB JPO	2002/11/11
			/ <u>-</u> -	13:50
-	2	ohno.in.	JPO	2002/11/11
_	52179	ono.in.	JPO	2002/11/11
				13:55
_	658	ono.in. and seiji.in.	JPO	2002/11/11
-	19	ono.in. and seiji.in. and decrease\$1	JP0	2002/11/11
		-		13:56
-	1	ono.in. and seiji.in. and decrease\$1 and matrix	JPO	2002/11/11 .
	0	ono.in. and seiji.in. and decrease\$1 and	JP0	2002/11/11
		thyristor		13:56

			,	
-	0	<pre>(ono.in. and seiji.in. and decrease\$1) and (ono.in. and seiji.in. and thyristor)</pre>	JPO	2002/11/11 13:56
_	24	ono.in. and seiji.in. and thyristor	JPO	2002/11/11 17:05
_	3	bonding adj pad near12 (anode or cathode) near12 thyristor	USPAT; US-PGPUB; EPO; JPO;	2002/11/11 17:07
-	2	bonding adj pad near15 (anode or cathode) near15 (gate near3 line)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/11 17:12
-	7224	((257/431) or (257/432) or (257/433) or (257/290) or (257/291) or (257/292) or (257/293) or (257/99) or (257/100) or (257/101) or (257/102) or (257/103) or	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/11 17:13
_	25	(345/44) or (345/45) or (345/46)).CCLS. (((257/431) or (257/432) or (257/433) or (257/290) or (257/291) or (257/292) or (257/293) or (257/99) or (257/100) or (257/101) or (257/102) or (257/103) or (345/44) or (345/45) or (345/46)).CCLS.) and array and (bond or bonding) adj pad	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/11 17:23
	0	and gate (((257/431) or (257/432) or (257/433) or (257/290) or (257/291) or (257/292) or (257/293) or (257/99) or (257/100) or (257/101) or (257/102) or (257/103) or (345/44) or (345/45) or (345/46)).CCLS.) and gate adj2 line near15 (anode or cathode) near15 bonding adj pad near15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/11 17:25
_	0	(row or column or array) gate adj2 line near15 (anode or cathode) near15 bonding adj pad near15 (row or column or array)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/11 17:26
_	0	(gate or bit or word) adj2 line near15 (anode or cathode) near15 bonding adj pad near15 (row or column or array)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/11 17:27
	21	(gate or bit or word) near15 (anode or cathode) near15 pad near15 (row or column or array)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/11 19:08
_	0	jp-092807910\$-\$.did.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/11 19:13
	0	"092807910"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/11 19:13
	18	"2807910"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/11 19:14
-	10	control adj terminal near12 bonding adj pad	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/11

-	0	("jp-59117280\$-\$.did.").PN.	USPAT;	2003/04/19
			US-PGPUB;	12:04
			EPO; JPO;	
			DERWENT;	1
		- F0118000A A 3' 1	IBM_TDB	2002/04/10
-	2	jp-59117280\$-\$.did.	USPAT;	2003/04/19
			US-PGPUB;	12:08
			EPO; JPO;	
			DERWENT; IBM TDB	
1_	o	"us2002/0153532"	US-PGPUB	2003/04/19
		43200270133332	OS FOLOD	12:08
1 _	0	2002-0153532\$-\$.did.	US-PGPUB	2003/04/19
		2002 0200024 4.424.	0.000	12:09
-	34	sonobe.in.	US-PGPUB	2003/04/19
				12:11
-	3	sonobe.in. and (light-emitting or light	US-PGPUB	2003/04/19
		adj emitting)		12:11
-	23	(US-4754175-\$ or US-6180960-\$ or	USPAT;	2003/04/19
		US-5719591-\$ or US-4394653-\$ or	US-PGPUB;	12:17
		US-5990802-\$ or US-5763909-\$ or	JPO;	
		US-5844265-\$ or US-6160354-\$ or	DERWENT	
		US-6069644-\$ or US-5483085-\$ or		
	[US-5451977-\$).did. or (US-20010010510-\$).did. or (JP-09150543-\$		
	1	or JP-03194978-\$ or JP-09216416-\$ or		
		JP-09283792-\$ or JP-01268074-\$ or		
		JP-59117280-\$).did. or (JP-03194978-\$ or		
		EP-335553-\$ or JP-09150543-\$ or		
		US-6180960-\$).did.		
_	3028	sonobe.in.	USPAT;	2003/04/19
			US-PGPUB;	12:18
			JPO;	
			DERWENT	
-	2	sonobe.in. and array	US-PGPUB	2003/04/19
				12:18
-	34	sonobe.in.	US-PGPUB	2003/04/19
1	24	(US-6180960-\$ or US-5719591-\$ or	USPAT;	12:18
-	24	US-4754175-\$ or US-5990802-\$ or	US-PGPUB;	16:15
		US-5763909-\$ or US-5451977-\$ or	JPO:	10.13
		US-5844265-\$ or US-5483085-\$ or	DERWENT	
į	ļ	US-6069644-\$ or US-6160354-\$ or		
		US-4394653-\$).did. or (US-20020153532-\$		
		or US-20010010510-\$).did. or		[
		(JP-09283792-\$ or JP-09150543-\$ or		
		JP-09216416-\$ or JP-03194978-\$ or		
		JP-01268074-\$ or JP-59117280-\$).did. or		
	}	(US-6180960-\$ or JP-03194978-\$ or		
		JP-09150543-\$ or EP-335553-\$).did.	IICDAT -	2003/04/19
~	99	(345/44).CCLS.	USPAT; US-PGPUB;	16:30
1	1		EPO; JPO;	10.50
}			DERWENT;	1
]		IBM TDB	
-	114	(345/45).CCLS.	USPAT;	2003/04/19
			US-PGPUB;	16:30
	1		EPO; JPO;	
			DERWENT;	
1	1		IBM_TDB]
-	0	((345/45).CCLS.) and pad and thyristor	USPAT;	2003/04/19
		and (surface or area)	US-PGPUB;	16:31
			EPO; JPO;	-
			DERWENT;	
1	_	(1045 (44) 2070)	IBM_TDB	2002/04/12
-	1	((345/44).CCLS.) and pad and thyristor	USPAT;	2003/04/19
1		and (surface or area)	US-PGPUB;	16:32
			EPO; JPO;	
			DERWENT;	
1			IBM TDB	1

			,	
	343	(345/46).CCLS.	USPAT;	2003/04/19
			US-PGPUB;	16:32
			EPO; JPO; DERWENT;	
	'		IBM TDB	1
_	. 0	((345/46).CCLS.) and pad and thyristor	USPAT;	2003/04/19
	Ū	and (surface or area)	US-PGPUB;	16:32
		(2022)	EPO; JPO;	
			DERWENT;]
ļ į			IBM_TDB	[
-	194	pad and thyristor.ti,ab,clm. and (surface	USPAT;	2003/04/19
		or area)	US-PGPUB;	16:32
			EPO; JPO;	
	!		DERWENT;	
_	100	pad and thyristor.ti,ab,clm. and (surface	IBM_TDB USPAT;	2003/04/19
-	100	or area) and (chip or die)	US-PGPUB;	16:33
		or area, and (entp or are)	EPO; JPO;	10.33
			DERWENT;	
			IBM TDB	
-	45	(bond or bonding) near2 pad and	USPAT;	2003/04/19
		thyristor.ti,ab,clm. and (surface or	US-PGPUB;	16:33
	·	area) and (chip or die)	EPO; JPO;	
			DERWENT;	
1_	A E	(hand or handing) many mad and	IBM_TDB	2003/04/10
-	45	(bond or bonding) near2 pad and thyristor.ti,ab,clm. and (surface or	USPAT; US-PGPUB;	2003/04/19 17:36
]]	i	area) and (chip or die)	EPO; JPO;	17.30
		area, and (only of are,	DERWENT;	
	i		IBM TDB	
-	1615	(bond or bonding) near2 pad and (decrease	USPAT;	2003/04/19
		or decreasing or reduce or reduction)	US-PGPUB;	17:38
	'	near4 (surface or area) and (chip or die)	EPO; JPO;	
		and semiconductor.ti,ab,clm.	DERWENT;	
j	772	(hand on handing) add and and (dagnoss)	IBM_TDB USPAT;	2003/04/19
-	773	(bond or bonding) adj pad and (decrease or decreasing or reduce or reduction)	US-PGPUB;	17:39
		near3 (surface or area) and (chip or	EPO; JPO;	17.35
	ļ	die).ti,ab,clm. and	DERWENT;	
		semiconductor.ti,ab,clm.	IBM TDB	
-	69		USPAT;	2003/04/19
		or decreasing or reduce or reduction)	US-PGPUB;	19:04
1		near3 (surface or area) and (chip or	EPO; JPO;	
		die).ti,ab,clm. and	DERWENT; IBM TDB	
	'	semiconductor.ti,ab,clm. and (gate or get-selecting) near4 (line or lines)	1511_105	
_	2	("4394653").PN.	USPAT;	2003/04/19
]		`	US-PGPUB;	19:19
[EPO; JPO;	
			DERWENT;	
			IBM_TDB	0000/01/20
-	626	semiconductor.ti,ab,clm. and matrix adj	USPAT;	2003/04/19
		array.ti,ab,clm.	US-PGPUB; EPO; JPO;	19:50
			DERWENT;	
1			IBM TDB	
_	110	multiplexed adj display.ti,ab,clm.	USPAT;	2003/04/19
			US-PGPUB;	19:51
			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	2002/04/20
-	1	multiplexed adj display.ti,ab,clm. and	USPAT;	2003/04/19
		(reduce or reduced or decrease or decreased) near3 (area or surface)	US-PGPUB;	19:53
		decreased, hears (area or surrace)	EPO; JPO; DERWENT;	
			IBM TDB	
-	2	multiplexed adj display.ti,ab,clm. and	USPAT;	2003/04/19
		(reduce or reduced or decrease or	US-PGPUB;	19:54
		decreased) near6 (area or surface)	EPO; JPO;	
		decreased, heard (area or sarrace)		
		decreased, heard (area or sarrace)	DERWENT; IBM TDB	

_	0	multiplexed adj display.ti,ab,clm. and (bond or bonding) adj pad	USPAT; US-PGPUB; EPO; JPO;	2003/04/19 19:55	
			DERWENT; IBM TDB		1
_		multiplexed adj display and (bond or	USPAT;	2003/04/19	
ĺ	1	bonding) adj pad and gate near4 ((select	US-PGPUB;	19:56	
		or selecting) or gate-selecting)	EPO; JPO;		- (
-			DERWENT;		
	_		IBM_TDB		-
	0	multiplexed adj display and (bond or	USPAT;	2003/04/19	
	}	bonding) adj pad and gate	US-PGPUB; EPO; JPO;	19:57	1
			DERWENT;		
			IBM_TDB		
	23	multiplexed adj display and pad and gate	USPAT;	2003/04/19	- [
			US-PGPUB;	21:25	
	1		EPO; JPO; DERWENT;		
			IBM TDB		
-	o	jp-03-194978\$-\$.did.	USPAT;	2003/04/19	
	1		US-PGPUB;	21:26	
			EPO; JPO;		
_	ļ		DERWENT; IBM TDB		
	2	 jp-03194978\$-\$.did.	USPAT;	2003/04/19	
	_	Jp 001313/04 4.drd.	US-PGPUB;	21:26	
			EPO; JPO;		- 1
			DERWENT;	1	
_	40	(US-5990802-\$ or US-4394653-\$ or	IBM_TDB USPAT;	2003/04/19	
_	40	US-5763909-\$ or US-6160354-\$ or	US-PGPUB;	21:36	
		US-5844265-\$ or US-6069644-\$ or	EPO; JPO;		- 1
		US-5451977-\$ or US-5719591-\$ or	DERWENT		
		US-5483085-\$ or US-6180960-\$ or			
		US-3833833-\$ or US-4011557-\$ or US-4839634-\$ or US-5194852-\$ or			1
		US-6452342-\$ or US-4754175-\$ or			
		US-4297692-\$ or US-4307392-\$ or		İ	
	į	US-5317307-\$).did. or (US-20010010510-\$			
		or US-20030071274-\$ or US-20020180370-\$ or US-20030071267-\$ or			- }
		US-20020153532-\$).did. or (GB-2144254-\$			1
		or EP-1168462-\$ or GB-2143984-\$).did. or			
Į.	ļ	(JP-09216416-\$ or JP-09283792-\$ or			
		JP-03194978-\$ or JP-09150543-\$ or			
		JP-59117280-\$ or JP-01268074-\$ or JP-2001217460-\$).did. or (JP-09150543-\$	1		
	į	or EP-335553-\$ or US-6180960-\$ or			
	1	WO-200157935-\$ or JP-03194978-\$).did.			
_	2	jp-09150543\$-\$.did.	USPAT;	2003/04/19	
			US-PGPUB;	21:41	
	1		EPO; JPO; DERWENT		
_	20	jp-0216416\$-\$.did.	USPAT;	2003/04/19	
		3.	US-PGPUB;	21:43	
	-		EPO; JPO;		
		0001C41C0 0 444	DERWENT	2002/04/10	
_	2	jp-09216416\$-\$.did.	USPAT;	2003/04/19	
			US-PGPUB; EPO; JPO;	41.77	
	1		DERWENT	1	}
_	2	jp-09283792\$-\$.did.	USPAT;	2003/04/19	_ \
	1		US-PGPUB;	21:44	*.
			EPO; JPO;		
L	L		DERWENT	l	